I 49.89: 82/47-1/map86

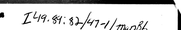
MAP B6

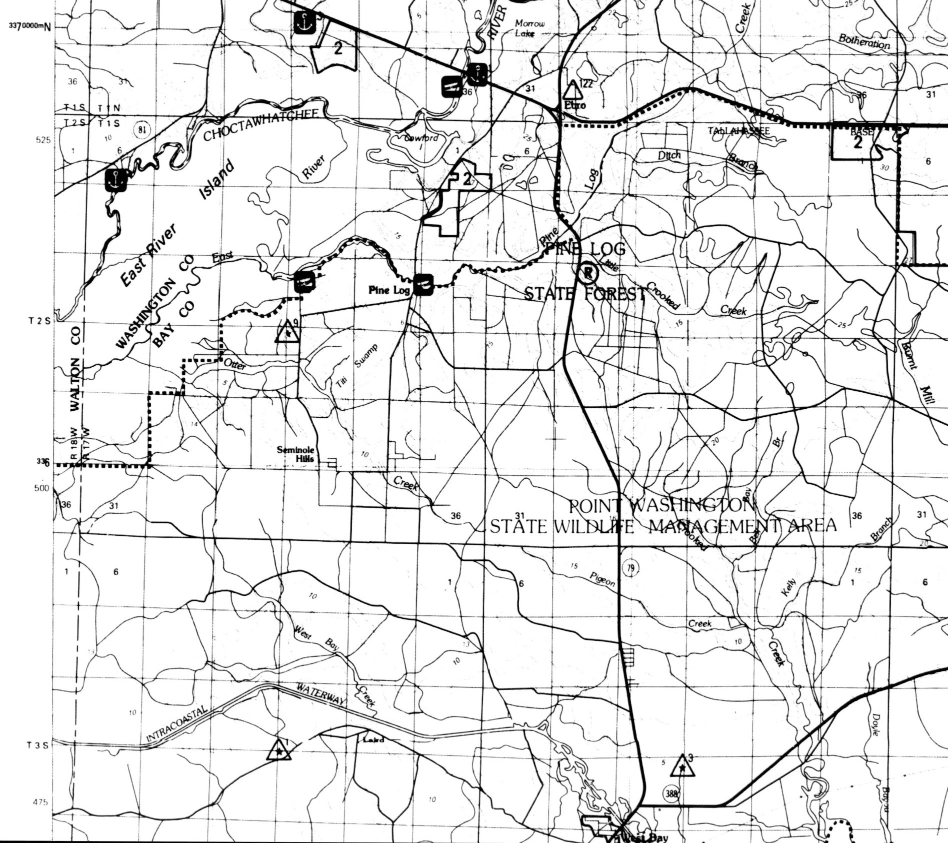
HMS 85-0011
FWS/OBS-82/47.1

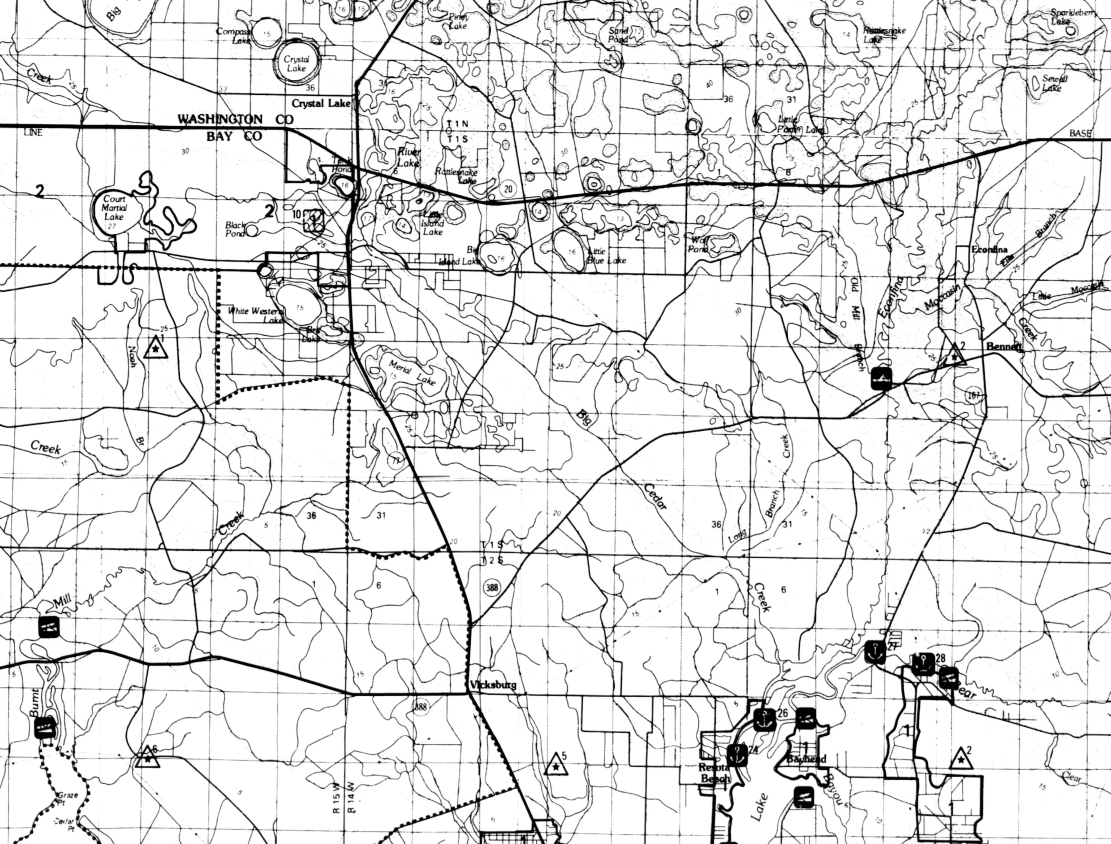
Panama City

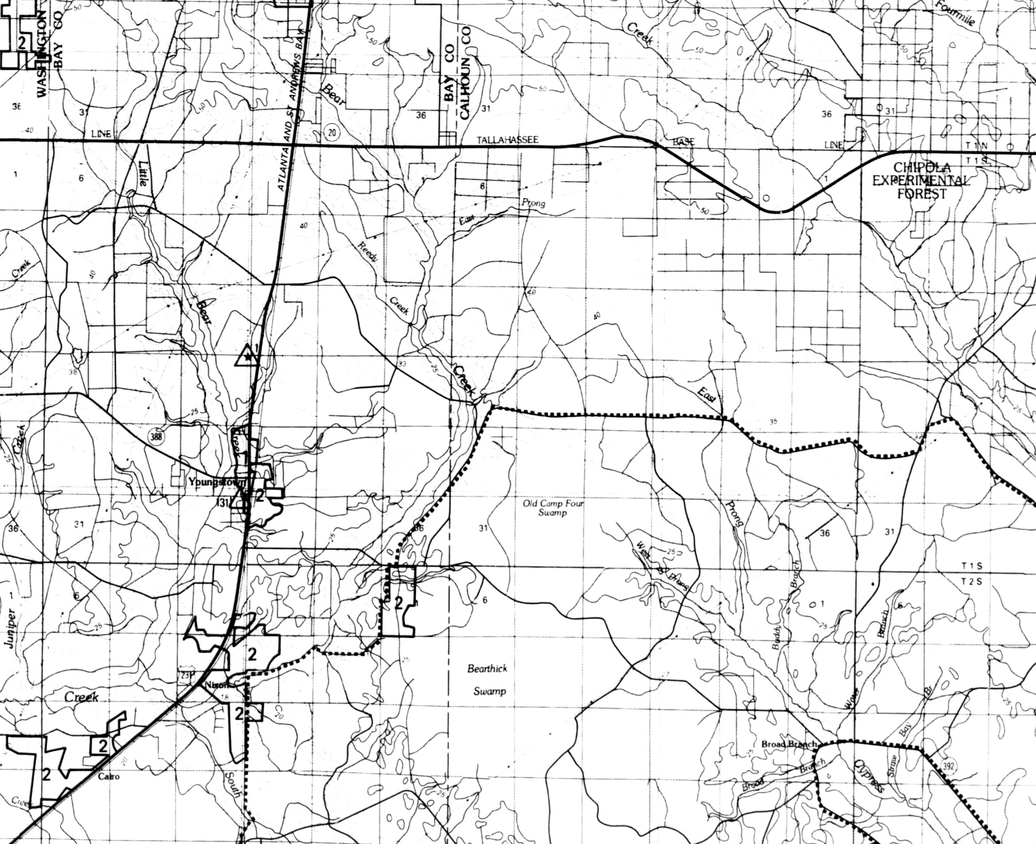
FLORIDA ECOLOGICAL ATLAS

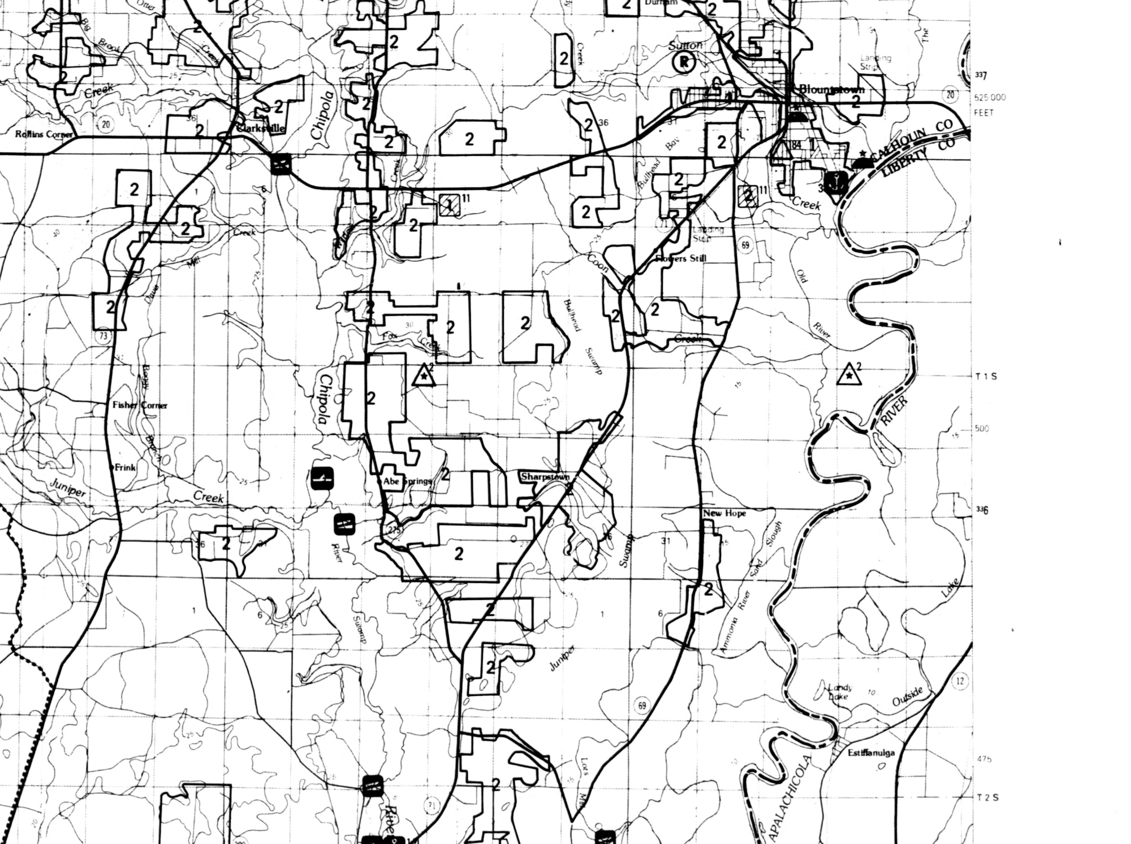
SOCIOECONOMIC FEATURES



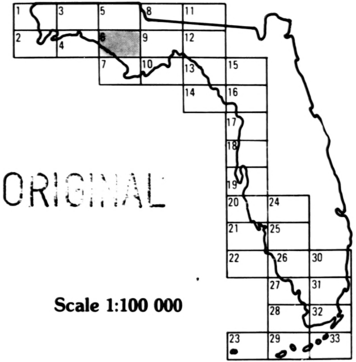

3370000mN
525
T 2 S
336
500
T 3 S
475
Morrow Lake
RIVER
Creek
Botheration
122
Euro
31
36
T1S T1N
T2S T1S
81
CHOCTAWHATCHEE
River
Island
East River
Cowford
2
TALLAHASSEE
BASE
Ditch
Branch
Log
Pine
PINE LOG
STATE FOREST
Little
Crooked
Creek
Pine Log
East
WASHINGTON CO
BAY CO
WALTON CO
R 18 W
R 17 W
9
Otter
Titi
Swamp
Seminole Hills
Creek
Burnt
Mill
Br
Bay
POINT WASHINGTON
STATE WILDLIFE MANAGEMENT AREA
Crooked
Bell
Branch
79
Pigeon
Creek
Kelly
Creek
West
Bay
Creek
INTRACOASTAL
WATERWAY
1
Laird
3
388
West Bay
Doyle
Bayou


Compass Lake
Crystal Lake
Crystal Lake
Piney Lake
Sand Pond
Rattlesnake Lake
Sparkleberry Lake
Sewell Lake
Little Porter Lake
WASHINGTON CO
BAY CO
LINE
BASE
T1N
T1S
River Lake
Turtle Pond
Rattlesnake Lake
Court Martial Lake
Black Pond
Little Island Lake
Big Island Lake
Little Blue Lake
Wolf Pond
Econfina
Econfina
Old Mill Branch
Moccasin
Little Moccasin Creek
Elis Branch
Bennett
White Western Lake
Bri Lake
Merial Lake
Noah Br
Creek
Big Cedar Creek
Long Branch Creek
Creek
Creek
Mill
Burnt
Graze Pt
Cedar Pt
T1S
T2S
R15W
R14W
Vicksburg
Resota Beach
Bayhead
Lake
Bayou
Bear
Clear
388
388
20
167
77
24
26
27
28


WASHINGTON CO
BAY CO
BAY CO
CALHOUN CO
ATLANTA AND ST ANDREWS BAY
TALLAHASSEE
BASE
LINE
LINE
T 1 N
T 1 S
T 1 S
T 2 S
CHIPOLA
EXPERIMENTAL
FOREST
Fourmile
Creek
Bear
Little
Bear
Creek
Reedy
Creek
East
Prong
East
Prong
West
Prong
Old Camp Four
Swamp
Bearthick
Swamp
Youngstown
Nixon
Cairo
Juniper
Creek
Creek
Creek
South
Buddy
Branch
Water
Branch
Bay
Br
Straw
Cypress
Broad Branch
Broad
Branch
20
388
231
392
1
2
2
2
2
2
2
2
2
36
31
1
6
36
31
6
1
36
31
6
1
36
31
6
1
36
31
36
31
36
35
50
50
50
50
50
50
40
40
40
40
38
33
25
25
25
25
25
25
25
25
27
20
18



Otter
Big Brook
Creek
Creek
Creek
Chipola
Rollins Corner
Clarksville
Durham
Sutton
Blountstown
Landing Strip
The
337
525 000 FEET
20
CALHOUN CO
LIBERTY CO
Bullhead
Bay
Creek
Landing Strip
Flowers Still
69
Coon
Old River
Mill
Dave
Creek
Fox Creek
Bullhead Swamp
Creek
Chipola
Boggy Branch
Fisher Corner
Frink
Juniper Creek
Abe Springs
Sharpstown
275
73
T 1 S
500
RIVER
336
New Hope
Sand Slough
Ammonia River
Swamp
Lake
Juniper
Swamp
River
Landy Lake
Outside
12
69
Estiffanulga
475
T 2 S
APALACHICOLA
Lots Mill
71
River
2
1
11
30
36
31
6
25
15
10
40


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33

ORIGINAL

Scale 1:100 000

TOPICAL MAPS IN THIS ATLAS:

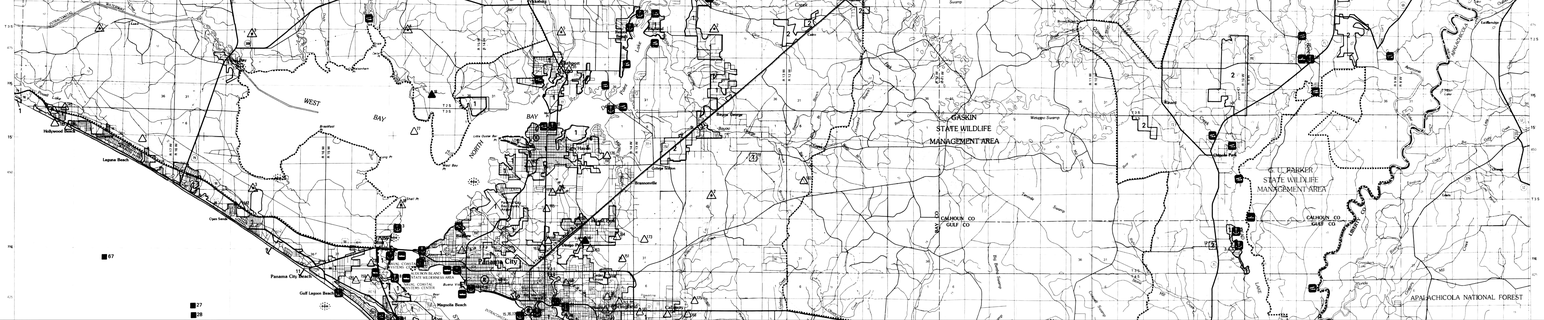
A. BIOLOGICAL RESOURCES
B. SOCIOECONOMIC FEATURES
C. SOILS AND LANDFORMS
D. OIL, GAS AND MINERALS
E. HYDROLOGY AND CLIMATOLOGY

U.S. DEPARTMENT OF THE INTERIOR
MARCH 3, 1849

1984

Produced by U.S. Fish and Wildlife Service
and Minerals Management Services

Projection and 10,000 meter grid, zone 17: Universal Transverse Mercator
25,000-foot grid ticks based on Florida coordinate system, west zone

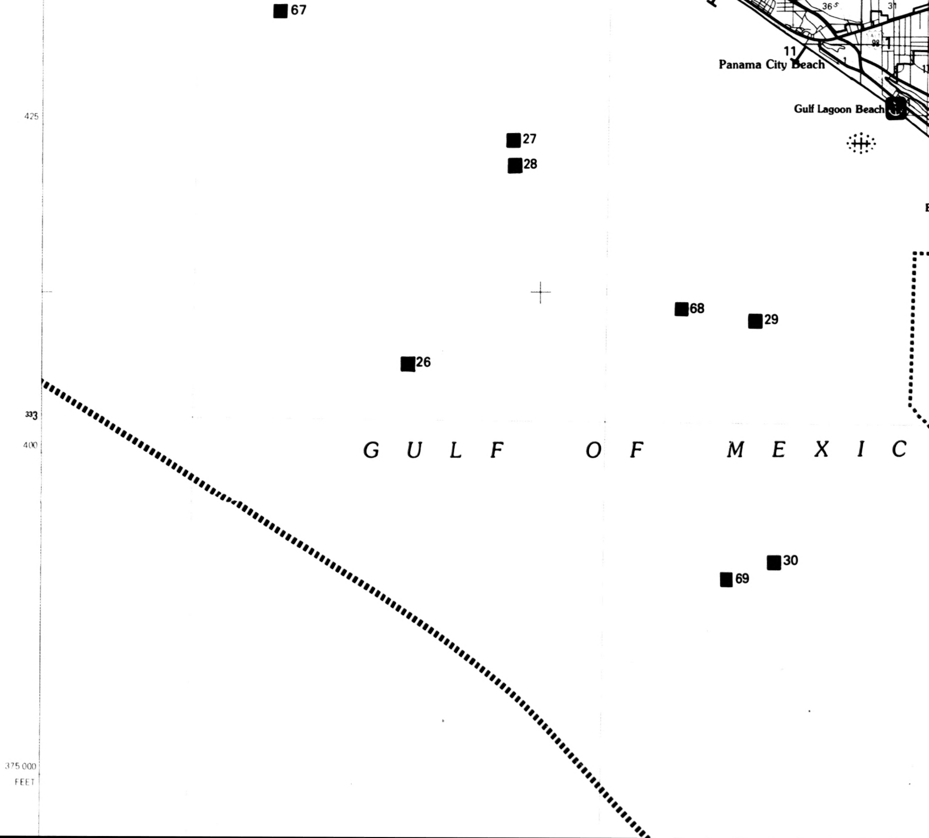


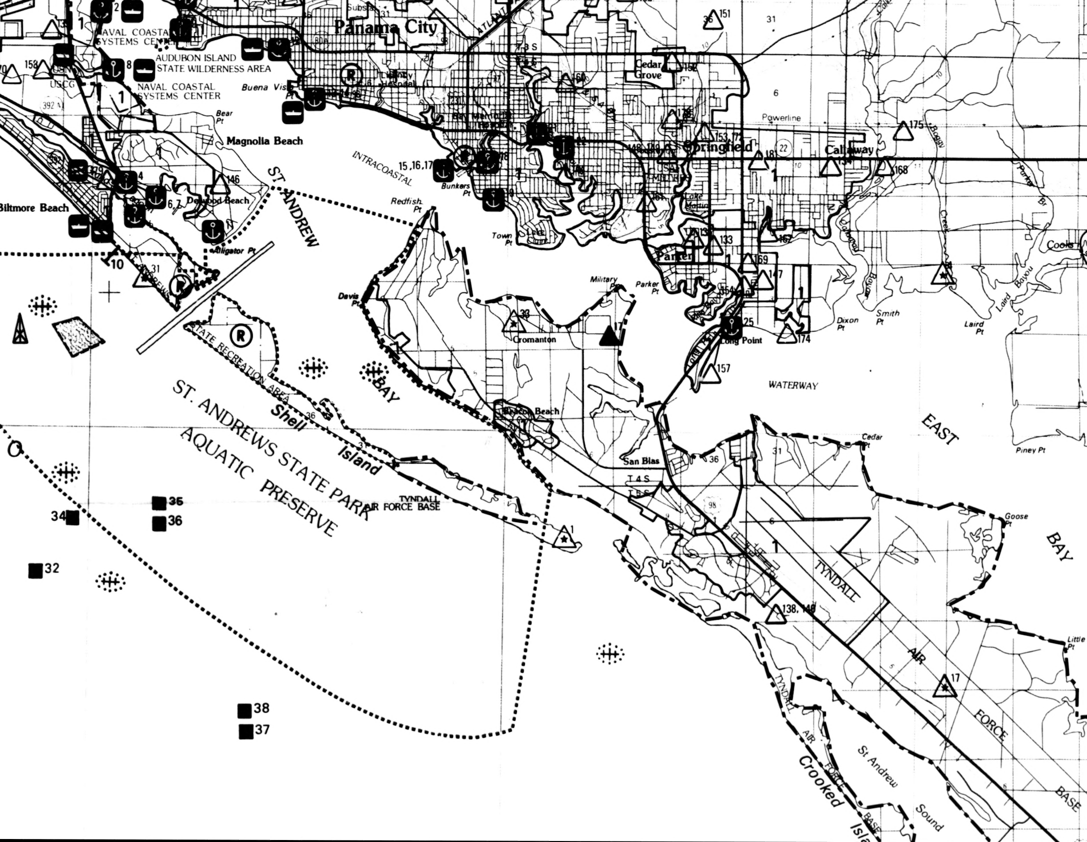
Produced by U.S. Fish and Wildlife Service and Minerals Management Services

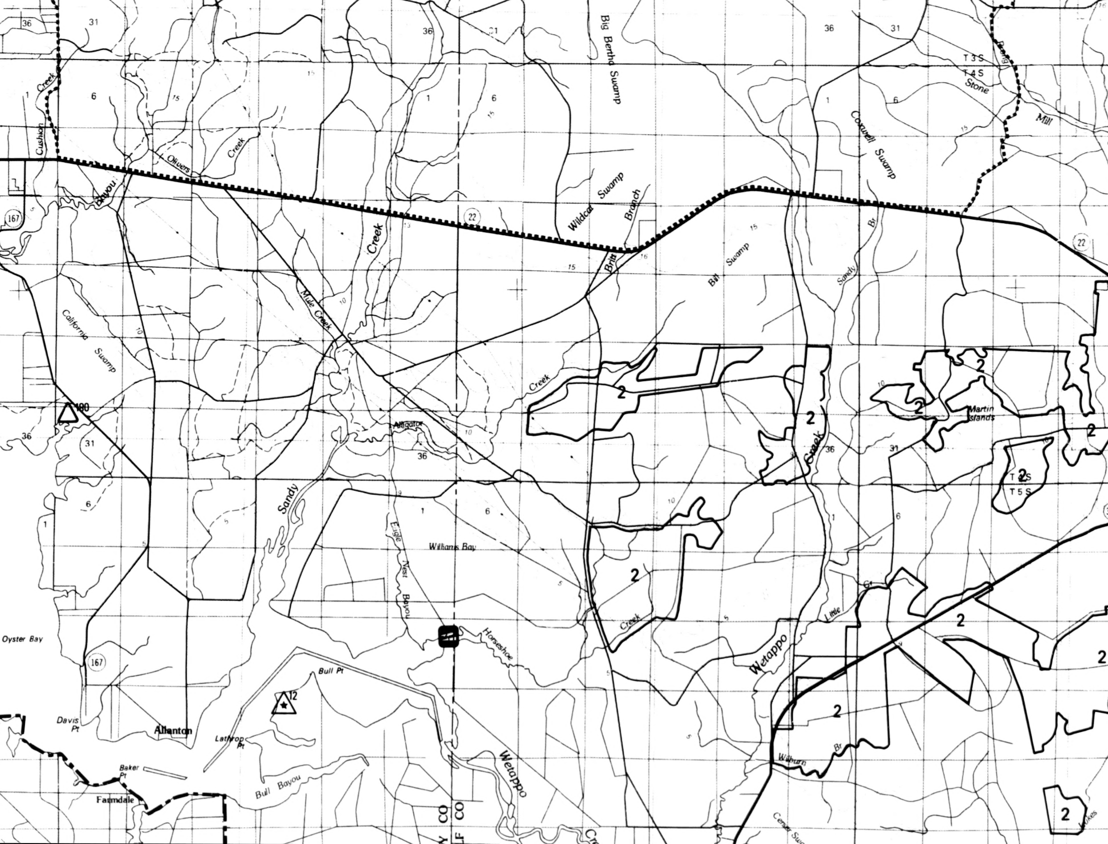
Projection and 10,000 meter grid, zone 17, Universal Transverse Mercator
10,000-foot grid ticks based on Florida coordinate system, east zone

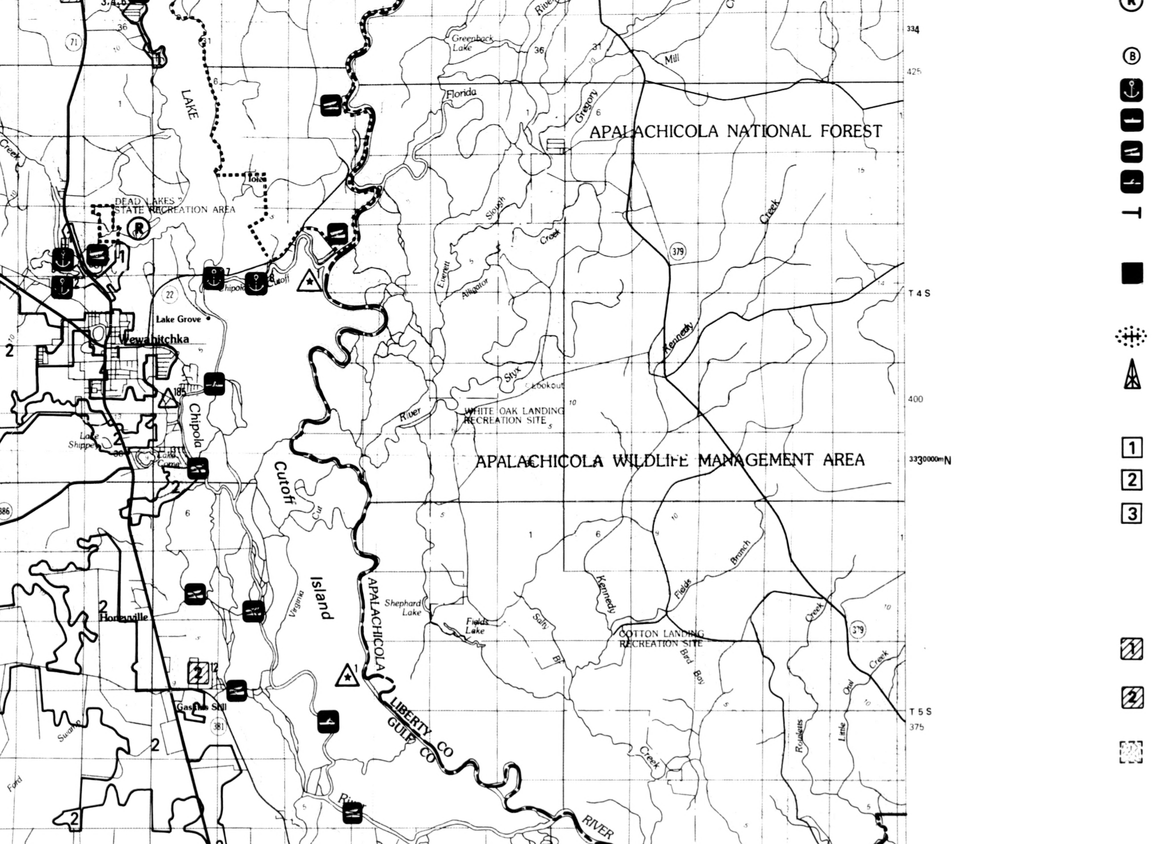
Overlay material compiled in 1983 from latest available data obtained from Federal, State and Local government agencies and other sources.

- NATIONAL LANDS: PARKS, PRESERVES, WILDERNESS AREAS, WILDLIFE REFUGES, MARINE AND ESTUARINE SANCTUARIES, AND MILITARY LANDS
- STATE PARKS, RECREATION AREAS, WILDERNESS AREAS AND WILDLIFE MANAGEMENT AREAS
- STATE AQUATIC PRESERVE
  NOTE: Only those lands waterward of the mean high-water line, within this boundary area are within the aquatic preserve
- C — CONSERVATION LAND (STATE OWNED): (Environmentally Endangered Land, Water Management Land and Archaeological and Historical Preservation Land)
- R — RECREATION LAND (-P: 25 ACRES): (County and Municipal Parks and Recreation Areas)
- I — INTENSIVELY UTILIZED RECREATIONAL BEACH ACCESS POINT
- M — MARINA
- CH — CHARTER AND/OR HEAD BOAT LOCATION
- PR — PUBLIC BOAT RAMP
- FL — FLORIDA CANOE TRAIL SYSTEM


67
425
27
28
Panama City Beach
11
36
31
98
1
Gulf Lagoon Beach
68
29
26
333
400
GULF OF MEXIC
30
69
375 000
FEET


Panama City
NAVAL COASTAL SYSTEMS CENTER
AUDUBON ISLAND STATE WILDERNESS AREA
NAVAL COASTAL SYSTEMS CENTER
USCG
Buena Vista Pt
Bear Pt
Magnolia Beach
Cedar Grove
Powerline
Springfield
Callaway
Boggy
Parker Br
Biltmore Beach
Delwood Beach
Alligator Pt
INTRACOASTAL
ST. ANDREW
Redfish Pt
Bunkers Pt
Town Pt
Lake Clare
Military Pt
Parker Pt
Parker
Lake Martin
Davis Pt
Cromanton
Long Point
Dixon Pt
Smith Pt
Laird Pt
Laird Bayou
Cooks
Bayou
Creek
WATERWAY
BAY
STATE RECREATION AREA
Shell Island
ST. ANDREWS STATE PARK
AQUATIC PRESERVE
Beacon Beach
San Blas
T 4 S
T 5 S
TYNDALL AIR FORCE BASE
EAST
BAY
Cedar Pt
Piney Pt
Goose Pt
Little Pt
TYNDALL
AIR
FORCE
BASE
TYNDALL AIR FORCE BASE
St Andrew Sound
Crooked Isla
1
6
10
22
31
36
98
392
15,16,17
6,7
4
8
2
13
146
151
152
153,172
160
161
168
169
174
175
181
133
147
154
157
158
25
33
17
1
138,140
32
34
35
36
37
38


36
31
36
31
36
31
T 3 S
T 4 S
Big Bertha Swamp
Stone
Mill
Cushion
Creek
6
1
6
1
6
15
Olivers
Creek
Coxwell
Swamp
Bayou
167
22
Creek
Wildcat
Swamp
Branch
Britt
Bill
Swamp
Sandy
Br
22
15
16
10
Mule Creek
California
Swamp
Creek
2
2
2
2
Martin
Islands
2
180
36
31
Alligator
36
10
Creek
36
31
T 4 S
T 5 S
2
Sandy
6
1
1
6
1
6
10
Eagle
Nest
Bayou
Williams Bay
5
5
5
2
Creek
Little
Cr
2
2
Oyster Bay
167
Horseshoe
Wetappo
Bull Pt
12
2
Davis
Pt
Allanton
Lathrop
Pt
Wetappo
Wilburn
Br
Baker
Pt
Bull Bayou
Farmdale
Y CO
LF CO
2
Jokes


APALACHICOLA NATIONAL FOREST
APALACHICOLA WILDLIFE MANAGEMENT AREA
DEAD LAKES STATE RECREATION AREA
WHITE OAK LANDING RECREATION SITE
COTTON LANDING RECREATION SITE
Wewahitchka
Lake Grove
Honeyville
Gaskins Still
Iola
Florida
Greenback Lake
Lake Shipper
Lake Come
Shephard Lake
Fields Lake
LAKE
Chipola
Cutoff
Cutoff
Cut
Island
Virginia
APALACHICOLA
RIVER
River
River
Styx
Lookout
Sloough
Creek
Everett
Alligator
Gregory
Mill
Kennedy
Kennedy
Fields
Branch
Salty Br
Bird Bay
Creek
Creek
Creek
Creek
Owl
Little
Roulettes
Swamp
Ford
LIBERTY CO
GULF CO
71
22
379
379
386
381
185
T 4 S
T 5 S
334
425
400
3330000mN
375
1
2
3

(County and Municipal Parks and
Recreation Areas)

INTENSIVELY UTILIZED RECREATIONAL
BEACH ACCESS POINT

MARINA*

CHARTER AND/OR HEAD BOAT LOCATION

PUBLIC BOAT RAMP

FLORIDA CANOE TRAIL SYSTEM

MAJOR PUBLIC FISHING PIER*

ARTIFICAL REEF*
(Permitted by Florida Dept. of Environmental Regulation) Numbers next to reefs refer to composition data in narrative. Reef shapes vary on map.

SHIPWRECK (SUNKEN OR EXPOSED)

MAJOR OFFSHORE STRUCTURE
(≥ 30 FEET IN HEIGHT)

LAND USE

Urban Land

Agricultural Land

Range Land

All other land use classifications not portrayed consist primarily of wetlands and other habitats. Wetlands mapping units are delineated on Map A, Biological Resources.

LANDFILL*

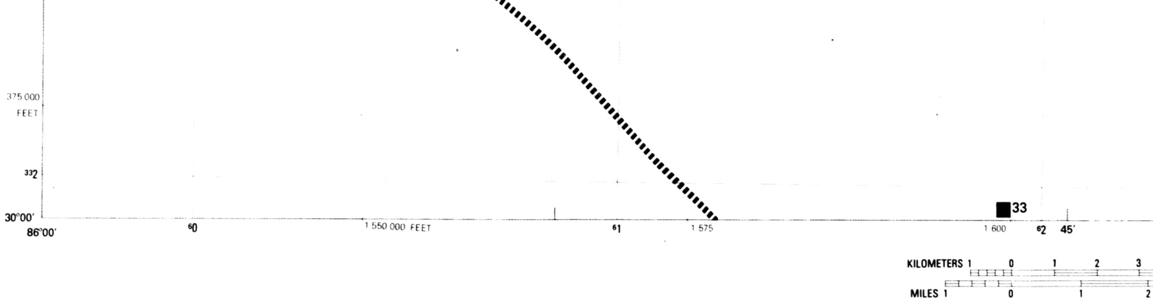
Class 1 (≥ 200 tons/month or
≥ 50 cubic yards/month)

Class 2 (< 200 tons/month or
< 50 cubic yards/month)

DREDGE SPOIL DISPOSAL SITE
(Permitted by the U.S. Army Corps
of Engineers)

POINT SOURCE DISCHARGE*
(Permitted by the Florida Dept.
of Environmental Regulation)

MICROCOPY RESOLUTION TEST CHART
NBS 1010a
(ANSI and ISO TEST CHART No. 2)
1.0
1.1
1.25
2.8
3.2
3.6
2.5


375 000
FEET
332
30°00'
86°00'
60
1 550 000 FEET
61
1 575
33
1 600
62
45'
KILOMETERS 1 0 1 2 3
MILES 1 0 1 2

THE FLORIDA ECOLOGICAL ATLAS WAS PRODUCED BY THE U.S. FISH AND WILDLIFE SERVICE, DIVISION OF BIOLOGICAL SERVICES, NATIONAL COASTAL ECOSYSTEMS TEAM (FWS/OBS - 82/47) AND THE MINERALS MANAGEMENT SERVICE FOR COASTAL PLANNERS, DECISION MAKERS, AND THE GENERAL PUBLIC, TO DETERMINE AND EVALUATE CHANGE AND TO RESOLVE CONFLICTS AMONG LAND USES, FISH AND WILDLIFE REQUIREMENTS, AND THE MAINTENANCE OF ECOLOGICAL DIVERSITY. THE STUDY AREA INCLUDES THE COASTAL COUNTIES: ESCAMBIA, SANTA ROSA, OKALOOSA, WALTON, WASHINGTON, BAY, CALHOUN, GULF, FRANKLIN, WAKULLA, JEFFERSON, TAYLOR, DIXIE, LEVY, CITRUS AND HERNANDO, AND EXTENDS OFFSHORE APPROXIMATELY 10 MILES. THERE IS NO ATTEMPT, IN THE DESIGN OR PRODUCTS OF THIS STUDY, TO DEFINE THE LIMITS OF PROPRIETARY JURISDICTION OF ANY FEDERAL, STATE, OR LOCAL GOVERNMENT TO ESTABLISH THE GEOGRAPHICAL SCOPE OF THE REGULATORY PROGRAMS OF GOVERNMENT AGENCIES.

THIS MAP HAS BEEN COMPILED FROM A VARIETY OF SOURCE MATERIALS INCLUDING MAPS, AERIAL PHOTOS, AND REPORTS. SINCE MANY SOURCES CONTAINED GENERALIZED LOCATIONS OF RESOURCES AND OTHER MAPPED FEATURES, THE USER SHOULD NOT RELY ON THESE MAPS FOR PRECISE MEASUREMENTS OF DISTANCES OR AREAS.

Selected areas on this U.S.G.S. base map updated using information extracted from aerial photography. This information not field checked.

PRIMARY SOURCES OF MAPPED INFORMATION:

FEDERAL & STATE CONSERVATION, PRESERVATION & RECREATION AREAS: Fla. Dept. of Transportation, Areas of Environmental Concern Map Series, 1981.

MILITARY LANDS: Fla. Dept. of Transportation, Areas of Environmental Concern Map Series, 1981.

ARTIFICIAL REEFS: Fla. Sea Grant Program, 1982.

OFFSHORE STRUCTURES & SHIPWRECKS: National Ocean Survey Nautical Charts and Computer Printouts, 1981.

LAND USE CLASSIFICATION: U.S. Geological Survey Land Use Classification Maps, 1975.

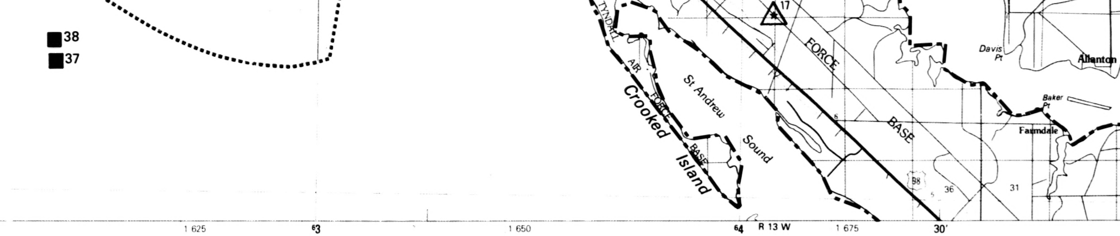
POINT SOURCE DISCHARGES AND LANDFILLS: Fla. Dept. of Environmental Regulation Computer Printouts, 1981.

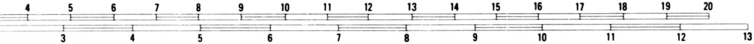
DREDGE SPOIL DISPOSAL SITES: Fla. Dept. of Environmental Regulation, 1981.

HISTORICAL & ARCHAEOLOGICAL SITES: Compilation from Fla. Bureau of Historic Preservation, 1982.

NATURE CONSERVANCY LANDS: Data provided by The Nature Conservancy, 1983.

FOR COMPLETE REFERENCES SEE MAP NARRATIVE

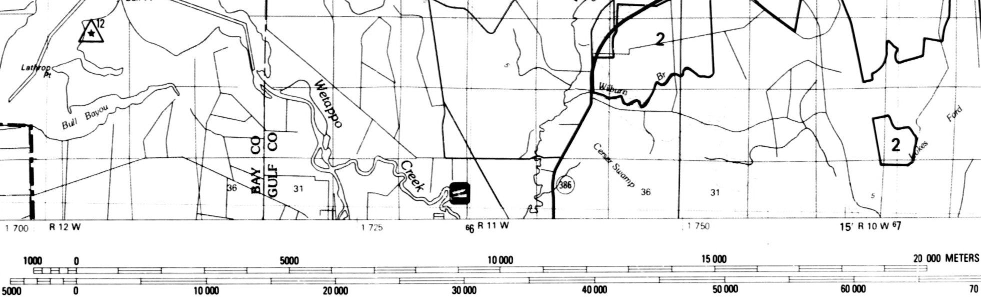

38
37
17
TYNDALL
AIR
FORCE
BASE
FORCE
BASE
Crooked
Island
St Andrew
Sound
Davis Pt
Allanton
Baker Pt
Farmdale
6
98
5
36
31
1 625
63
1 650
64
R 13 W
1 675
30′

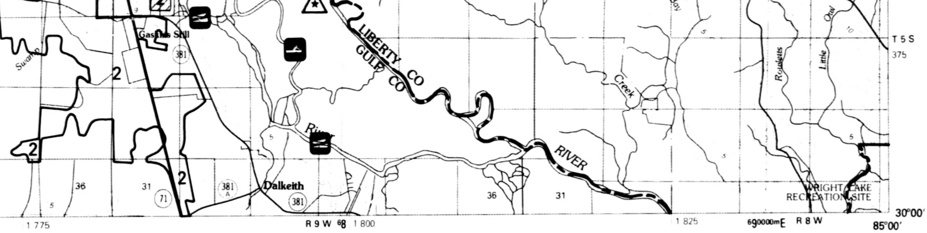

4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
3
4
5
6
7
8
9
10
11
12
13

SCALE 1:100 000

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

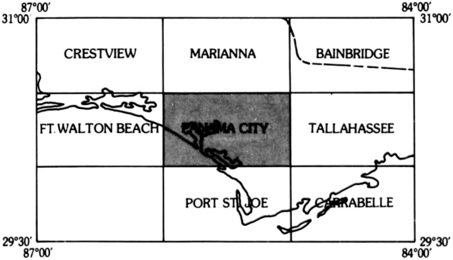
CONTOUR INTERVAL 5 METERS


12
Lathrop Pt
Bull Bayou
Wetappo
Creek
BAY CO
GULF CO
36
31
5
386
2
Wilburn
Br
Cerser Swamp
36
31
2
Fords
Ford
5
1 700
R 12 W
1 725
66
R 11 W
1 750
15'
R 10 W
67
1000
0
5000
10 000
15 000
20 000 METERS
5000
0
10 000
20 000
30 000
40 000
50 000
60 000
70



Gaskins Still
381
2
Swamp
LIBERTY CO
GULF CO
River
RIVER
Creek
Rowletts
Little
Owl
T 5 S
375
36
31
5
71
381 A
Dalkeith
381
WRIGHT LAKE
RECREATION SITE
30°00′
85°00′
1 775
R 9 W
68
1 800
1 825
690000mE
R 8 W

000 FEET

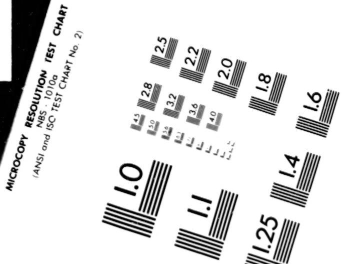


87°00′
31°00′
84°00′
31°00′
CRESTVIEW
MARIANNA
BAINBRIDGE
FT. WALTON BEACH
PANAMA CITY
TALLAHASSEE
PORT ST. JOE
CARRABELLE
29°30′
87°00′
29°30′
84°00′

▨	Class 2 (< 200 tons/month or < 50 cubic yards/month)
⬚	DREDGE SPOIL DISPOSAL SITE (Permitted by the U.S. Army Corps of Engineers)
	POINT SOURCE DISCHARGE* (Permitted by the Florida Dept. of Environmental Regulation)
▲	Industrial Point Source
△	Municipal Point Source
✺	NATIONAL NATURAL LANDMARK
★	NATIONAL REGISTER OF HISTORIC PLACES
△	ARCHAEOLOGICAL AND HISTORICAL SITES (Number next to symbol represents total number of archaeological and historic sites per township and range)
✪	NATURE CONSERVANCY LAND
	STUDY AREA BOUNDARY
▮▮▮▮▮▮▮▮▮▮	Offshore
— — — —	Inland (County)
——— - - ———	Inland (State)

*Symbols appearing with numbers are described more fully in the narrative.

MICROFILMED FROM
BEST AVAILABLE COPY


MICROCOPY RESOLUTION TEST CHART
NBS - 1010a
(ANSI and ISO TEST CHART No. 2)
2.5
2.2
2.0
1.8
1.6
2.8
3.2
3.6
4.0
4.5
5.0
5.6
1.0
1.1
1.25
1.4